	Application No.	Applicant(s)		
	10/002 662	VANO ET AL		
Notice of Allowability	10/092,662 Examiner	YANO ET AL. Art Unit		
-				
	Belix M. Ortiz	2164		
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in i) or other appropriate commining the commining of the commining	n this application. If not included unication will be mailed in due cour	se. THIS	
1. This communication is responsive to <u>12/18/2006</u> .				
2. The allowed claim(s) is/are <u>24-38</u> .	•			
3. ☐ Acknowledgment is made of a claim for foreign priority to a) ☐ All b) ☐ Some* c) ☐ None of the:	,	or (f).		
1. Certified copies of the priority documents have				
2. Certified copies of the priority documents have	• •			
3. Copies of the certified copies of the priority de	ocuments have been receive	d in this national stage application t	rom the	
International Bureau (PCT Rule 17.2(a)).	Sec.			
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDONI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	MENT of this application.			
4. A SUBSTITUTE OATH OR DECLARATION must be subr INFORMAL PATENT APPLICATION (PTO-152) which give			CE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mu	ist be submitted.	·		
(a) ☐ including changes required by the Notice of Draftsper	rson's Patent Drawing Review	v (PTO-948) attached		
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date	<u>.</u>			
(b) including changes required by the attached Examiner Paper No./Mail Date	's Amendment / Comment or	in the Office action of		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in	1.84(c)) should be written on the header according to 37 CF	ne drawings in the front (not the back R 1.121(d).	() of	
6. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MATE FOR THE DEPOSIT OF BIO	ERIAL must be submitted. Note DLOGICAL MATERIAL.	the	
•				
		•		
			•	
Attachment(s)				
1. Notice of References Cited (PTO-892)	5. Notice of In	formal Patent Application		
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		ummary (PTO-413),		
3. Information Disclosure Statements (PTO/SB/08),	Paper No./	Paper No./Mail Date Examiner's Amendment/Comment		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛭 Examiner's	Statement of Reasons for Allowand	се	
	9. 🗌 Other	Calores		
	CIII	CHARLES RONES	: D	

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

DETAILED ACTION

EXAMINER'S AMENDMENT

1. The following is an Examiner's statement of reasons for the indication of allowable subject matter: The prior art of record does not disclose, make obvious, or otherwise suggest the structure of the applicant's prediction program, prediction apparatus, and prediction method together with the other limitations of the independent claims.

The dependent claims being further limiting and definite are also allowable. Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably **accompany** the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance.

AMENDMENT TO THE CLAIMS:

Claims 24 and 35 have been amended. Claims 24-38 remain pending in the application.

WHAT IS CLAIMED IS:

24. (Currently Amended) A storage system comprising:

at least one communication port configured to be coupled to a network;

a plurality of storage devices being different in access rate; and

a controller in data communication between the storage devices and the at least

one communication port,

wherein the at least one communication port receives from a computer connected to the network a request for storing file data having a data structure comprising a plurality of data blocks,

wherein the controller sets a policy according to a data structure of the file data to determine in which storage devices the data blocks should are to be placed,

wherein the controller is operable to assign the data blocks of the file data to the storage devices by collating the policy when the controller receives the file data associated with the request for storing via the communication port,

wherein the data blocks are stored in the storage devices as determined by the policy.

35. (Currently Amended) A storage method for storing file data into a plurality of storage devices comprising:

providing a plurality of storage devices, each being different in its access rate, to store a different data block therein according to an attribute of the file data having a data structure comprising a plurality of data blocks;

setting previously a policy according to the data structure of the file data to determine in which storage devices that data blocks should are to be placed;

receiving from a computer a request for storing file data having the data structure having the data blocks;

assigning the data blocks of the file data to the storage devices by collating the policy; and

storing the data block into the different storage devices assigned by the policy.

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Art Unit: 2164

Reasons for Allowance

2. Claims 24-38 are allowed.

3. The following is a statement of reasons for the indication of allowable subject matter:

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the prior arts of records, neither anticipates nor renders obvious the following limitations

as claimed:

As to claims 24 and 35, the prior art of records fail to anticipate or suggest a

storage system comprising:

a plurality of storage devices being different in access rate; and

a controller in data communication between the storage devices and the at least

one communication port,

wherein the at least one communication port receives from a computer connected

to the network a request for storing file data having a data structure comprising a plurality

of data blocks,

wherein the controller sets a policy according to a data structure of the file data to

determine in which storage devices the data blocks are to be placed,

wherein the controller is operable to assign the data blocks of the file data to the

storage devices by collating the policy when the controller receives the file data

associated with the request for storing via the communication port,

wherein the data blocks are stored in the storage devices as determined by the

policy, together with the other limitations of the independent claims.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Belix M. Ortiz whose telephone number is 571-272-4081.

The examiner can normally be reached on 8-5.

The fax phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR. Status

information for unpublished applications is available through Private PAIR only. For

more information about the PAIR system, see http://pair-direct.uspto.gov. Should you

have questions on access to the Private PAIR system, contact the Electronic Business

Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO

Customer Service Representative or access to the automated information system, call

800-786-9199 (IN USA OR CANADA) or 571-272-1000.

bmo

February 20, 2007

CHARLES RONES

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